



Deepwater Horizon Incident, Gulf of Mexico

Region 6 REOC Update

Subject: Region 6 Update # 102
Deepwater Horizon Incident, Gulf of Mexico
Date: August 24, 2010
To: Incident Command
Thru: Planning Section
From: Situation Unit
Reporting Period: August 19, 2010 1300 – August 24, 2010 1300

1. Background

Site Name: Deepwater Horizon Incident **FPN#:** N10036
Mobilization Date: 4/27/2010 **Start Date:** 4/28/2010

2. Current Situation

- The incident status summary as reported in the BP Situation Executive Summary as of 0600 on 8/24 is as follows:

	Totals for 8/23	Cumulative Totals as of 8/23
Responding Personnel	29,833	-
Responding Offshore Vessels	2,881	-
Deployed Containment Boom (million ft.)	-	1.974
Deployed Sorbent Boom (million ft.)	-	9.030
Recovered Oil/Water Mix (bbls)	29	826,000

2.1 USCG Incident Command Post (Houma, LA).

- On 8/19, EPA participated in a RRT teleconference regarding the use of Cytosol in the Grand Isle sand-washing machine. The RRT approved conducting two pilot tests to evaluate the amount of residual Cytosol in “cleaned” sand and whether Cytosol is effective in meeting RECAP standards for grossly contaminated sand.
- On 8/20, Unified Command (UC) discontinued the oil reporting hotline because the Rapid Assessment Teams (RAT) and Forensic RAT (FRAT) have not found MC252 oil for the past 3 weeks. Callers to the hotline will be referred to the National Response Center (NRC). Hotshot RAT and FRAT teams will remain in place to respond to any potential reports of MC252 oil.
- On 8/19, UC determined that marsh burning will not be conducted. The only marsh containing sufficient volume of oil for *in situ* burning is Bay Jimmy, which is expected to recover naturally by Spring 2011.
- On 8/21, EPA provided maps and briefed the EPA Coastal and Wetlands Planning Coordinator on the chronology of booming operations in preparing for the upcoming site inspection of Whiskey Island (in the Isles Dernieres, Terrebonne Parish). This site inspection is planned for 8/25.
- On 8/22, all the Parish Transition Plans were submitted. However, Jefferson Parish refused to sign their Plan because they do not want any assets removed before the end of the 2010 Hurricane Season (11/30). Cameron Parish submitted their Plan apart from the UC, and does not want USCG or BP to sign the plan. UAC is making diplomatic efforts to convince Jefferson Parish to sign their Plan and to convince Cameron Parish to allow BP and USCG to bring their Plan within UC.
- On 8/20, results from the 8/13 EPA sampling of liquid wastes at the BP Venice Waste Staging Area indicated that 2 samples failed TCLP for benzene. Split samples (split between EPA and BP) were collected from a frac tank containing an oily water mixture generated from skimming operations. The EPA split sample failed TCLP for benzene, while the BP splits passed. Based on BP’s sample result, the waste was shipped to the Newpark UIC facility. BP will have the material returned to the staging area while awaiting EPA’s decision regarding disposal. EPA Houma contacted EPA HQ and proposed that the material be sent to a reclamation facility. On 8/21, the EPA sample results were provided to BP, USCG, and LDEQ.
- On 8/20, EPA received the final Waste Directive Deliverables from BP and forwarded to Region 6, Region 4, and Headquarters EPA waste team counterparts.
- The EPA Vietnamese translator provided services to UC. EPA finalized translations of the US Fish and Wildlife “Effects of Oil on Wildlife and Habitat Fact Sheet” and “Beach-nesting Birds of the Gulf Fact Sheet.” EPA also translated 6 BP posters addressing recovery and response coordination and dispersants, assisted BP with Vessels of Opportunity training in Dulac, LA, translated the OSHA document “Protect Yourself – Permit-Required Confined Spaces,” and participated in the Chalmette Open House on 8/19.
- On 8/23, the EPA Vietnamese translator provided information on EPA resources for the oil spill response at the Gulf Coast Community Workshop. The workshop was hosted by Congressman Anh “Joseph” Cao in New Orleans to address the disproportionately impacted Asian American, limited-English proficient communities in the Gulf Coast.
- On 8/23, Louisiana Fish and Wildlife gave a presentation on the 2010 Hunting Season Prospectus relating to Response field efforts and potential conflicts. Concerns were limited to a significant

increase in boat traffic throughout the southeastern LA coast and ensuring that responders remain cognizant of hunters in AOR. Hunting areas do not extend to the barrier island/near-shore region, where a significant percentage of EPA operations are occurring.

2.2 USCG Area Command Post (New Orleans, LA)

- On 8/19, the open house in St. Bernard Parish was attended by about 100 people over a period of three hours. Media coverage focused on interviews with Parish residents. Questions to EPA were focused on the fate and transport of dispersants and environmental sampling and monitoring. Parish President Craig Taffaro engaged EPA and NOAA staff in an extensive discussion about his concerns regarding the recovery of the oyster fishery.
- On 8/20, the EU continued to compile data from multiple sources (i.e. sediment location data – USACE and USGS for hydrocarbons and NOAA seafood safety data from NOAA fisheries). This data will be used as input into the comprehensive sampling plan that is being developed in response to USCG Allen's Memorandum to the FOSC.
- On 8/23, EPA developed a statistical framework that identifies potential sampling locations for the near shore (0 - 3 mile) environment along the Gulf Coast of LA, MS, AL, and FL. The statistical analysis utilized both pre-impact and ongoing data for the response. A gap analysis was also performed by utilizing post impact sampling with the statistical framework.

2.3 Field Activities

Samples Collected:

Type	Chalmette	Venice	Grand Isle	Special Ops	Waste	Total for 8/19 – 8/23	Cumulative Total
Water	0	9	0	15	0	24	997
Sediment	0	6	0	7	0	13	210
Oil/Mousse	0	0	0	0	0	0	56
Waste	0	0	0	0	0	0	50
Summa Canisters	9	10	10	0	0	29	1063
PQ200 Filters	9	9	9	0	0	27	887
PUF	4	4	4	0	0	12	221

Fixed Air Monitoring/Sampling Stations:

ID	Location	City, State	Equipment Type
C02	Fire Station No. 8	Poydras, LA	1,2,3,4,5
C04	Aycock St. Fire Station	Chalmette, LA	1,2,3,4,5,6
C05	Fire Station No. 11	Hopedale, LA	1,2,3,4,5
GI05	Grand Isle State Park	Grand Isle, LA	2,3,4,5,6
GI08	Air Sampling House	Grand Isle, LA	2,3,4,5
GI09	Fourchon – LUMCON Research Station	Fourchon, LA	2,3,4,5,6
V02	USCG	Venice, LA	1,2,3,4,5
V03	Welding Supply Co	Boothville, LA	1,2,3,4,5
V03B	Welding Supply Co	Boothville, LA	7
V06	Buras Auditorium	Buras, LA	1,2,3,4,5,6

Equipment used at Fixed Air Location:

Equipment Type	Equipment	Monitor/Sample	Duration/Type
1	AreaRae/MultiRae	Monitor VOCs	24-Hr / 1 hour averages
2	MiniRae	Monitor VOCs	24-Hr / 1 hour averages
3	PQ 200	Sample PM 2.5	24 Hr/ Composite
4	Summa Canister	Sample VOCs	24 Hr/ Composite
5	EBAM	Monitor PM 10	24-Hr / 1 hour averages
6	High Volume PUF	Sample SVOCs	24 Hr / Composite
7	Teledyne H2S Monitor Model 101E	Monitor H2S	24-Hr / 1 hour averages

Observed Issues:

Date	Location	Parameter(s)	Data Gap/ Exceedence	Time(s)	Cause
8/19	GI05	VOC, PM10	Data Gap	2000-2100	Power failure.
8/19	GI09	PM10	Data Gap	0600-0900	Power failure.
8/19	GI09	PM10	Exceedence	1000	Warm-up period after power restoration.
8/19	GI09	PM10	Exceedence	1700	Moisture.
8/19	GI05	VOC	Exceedence	1500	Moisture.
8/19	GI09	VOC	Data Gap	0600-2300	Equipment malfunction.
8/20	GI08	VOC	Exceedence	0800	Moisture.
8/20	GI05	PM10, VOC	Data Gap	0900-1000	Power failure.
8/20	GI08	PM10	Exceedence	1800	Equipment malfunction.
8/20	C02	VOC	Exceedence	0100	Traffic near the monitoring station.
8/20	GI05	VOC	Exceedence	1500-1600	Moisture.
8/20	GI09	VOC	Data Gap	0000-1400	Equipment malfunction.
8/21	GI09	VOC	Exceedence	0800-0900	Equipment malfunction.
8/21	V02	CO, H ₂ S, OXY, VOC	Data Gap	0900	Equipment malfunction.
8/21	V02	OXY	Data Gap	1100-1300	OXY sensor malfunction.
8/21	C05	PM2.5	Data Gap	1400	Calibration.
8/22	V03B	H ₂ S	Data Gap	1000-1200	Power failure.
8/22	V03	PM2.5	Data Gap	0900-1100	Power failure.

- Air monitoring was discontinued as follows:

Date Discontinued	Time Discontinued	Location	Parameter(s)
8/21	1500	C02	OXY, VOC
8/21	1100	C02	PM10
8/21	1600	C04	OXY, VOC
8/21	1500	C04	PM10
8/21	1500	C05	OXY, VOC
8/21	1200	C05	PM10
8/21	1100	V02	CO, H ₂ S, OXY, VOC
8/21	0900	V02	PM10
8/21	1300	V03	CO, H ₂ S, OXY, VOC
8/21	1400	V03	PM10
8/21	1300	V06	CO, H ₂ S, OXY, VOC
8/21	1000	V06	PM10
8/20	2300	GI05	VOC, PM10
8/21	1000	GI08	VOC
8/21	1200	GI08	PM10
8/21	1000	GI09	VOC, PM10

- Air monitoring for PM 2.5 was initiated at Locations C05 and GI08 at 1200 hours and at Location V03 at 1500 hours on 8/21.

Explanation of Past Exceedences/Data Gaps:

- All past data gaps and exceedences have been resolved.

Description of Field Operations:

- **Special (Western Louisiana Coast) Water Operations**

- On 8/19, the Special Water Operations Team collected 6 water samples from locations southwest of Barataria Bay in LaFourche and Jefferson Parishes. Samples were transported to the Chicago EPA lab for DOSS analysis. The team did not observe oil or sheen in the area.
- On 8/20, the Special Water Operations Team collected 1 water sample and 1 sediment sample from a location along the southern coast of Lafourche Parish. The team did not observe oil or sheen in the area.
- On 8/21, the Special Water Operations Team collected 2 water and 2 sediment samples from locations along the southern shoreline of Lafourche Parish. The team did not observe oil or sheen in the area.
- On 8/22, the Special Water Operations Team collected 4 water and 3 sediment samples from locations south of Barataria Bay in Jefferson and Plaquemines Parishes. The team did not observe oil or sheen in the area.
- On 8/23, the Special Water Operations Team collected 2 water samples and 1 sediment sample from a location in Jefferson Parish. The team did not observe oil or sheen in the area.

- **Venice Water Operations**

- On 8/19, the Venice Water Operations Team collected 2 water and 2 sediment samples from locations in St. Bernard and Plaquemines Parishes.
- On 8/20 and 8/21, the Venice Water Operations Team did not conduct operations.
- On 8/22, the Venice Water Operations Team collected 4 water and 2 sediment samples from locations southwest of Plaquemines Parish.
- On 8/23, the Venice Water Operations Team collected 3 water and 2 sediment samples from locations southeast and east of Plaquemines Parish.

2.4 TAGA

- TAGA has been demobilized from EPA Region 6. The TAGA 1693 bus is currently stationed at the Stennis Space Center in MS to respond to Emergency Responses if necessary.

2.6 Water Quality Protection Division Update

- A Water Quality Protection Division Update was not provided for this reporting period.

3. EPA Assets

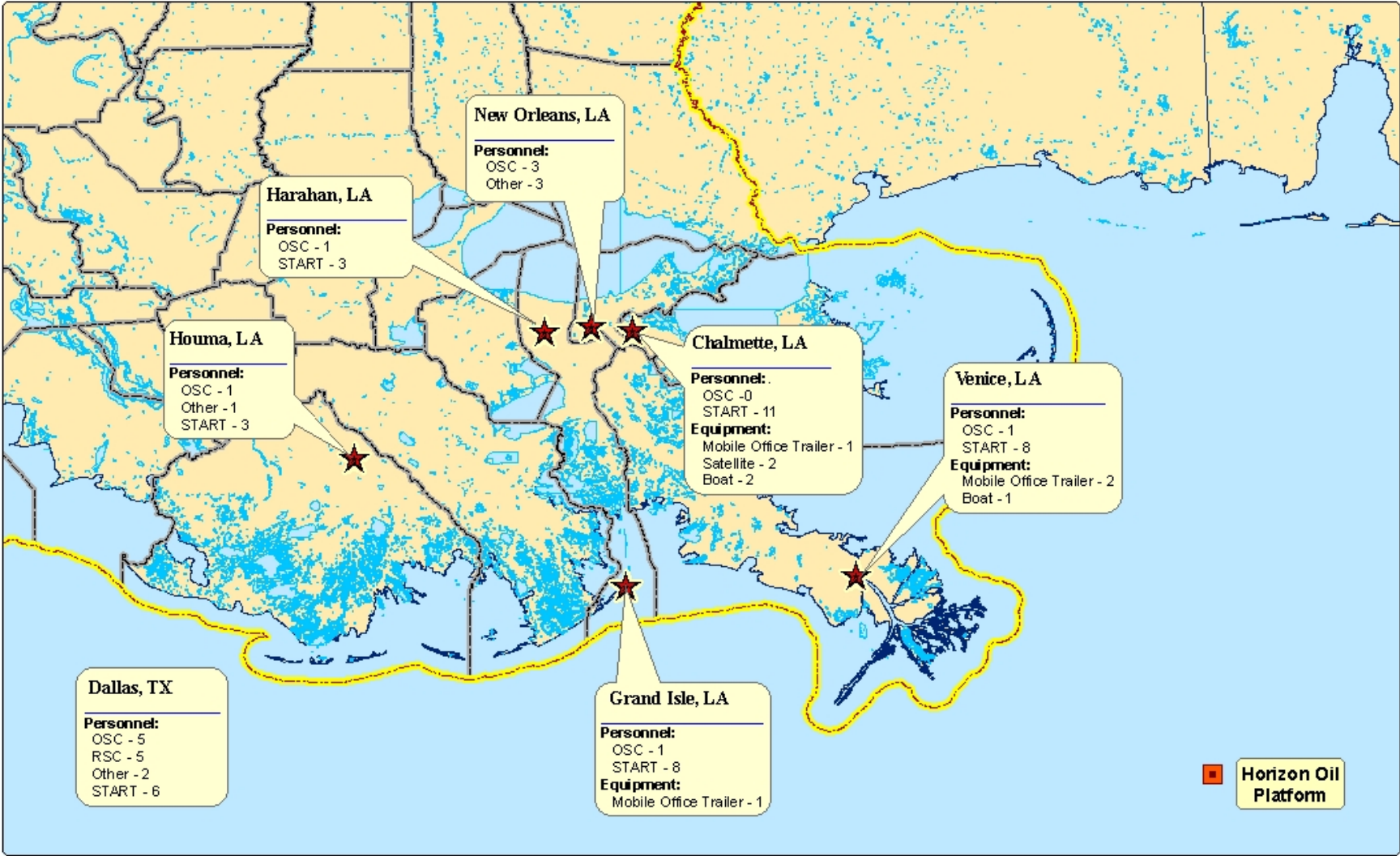
3.1 Current Assets Deployed

- Activated in Dallas, TX
 - REOC activated
 - SRICT activated
 - RRT activated

Resources:

Personnel	Dallas, TX	New Orleans, LA	Houma, LA	Chalmette, LA	Harahan, LA	Venice, LA	Grand Isle, LA	TOTALS
EPA								
- OSC	5	3	1		1	1	1	12
- RSC	5							5
- Other	2	3	1					6
START	6		3	11	3	8	8	39
TOTAL	18	6	5	11	4	9	9	62

Equipment	Dallas, TX	New Orleans LA	Houma, LA	Chalmette, LA	Harahan, LA	Venice, LA	Grand Isle, LA	TOTALS
Mobile Office Trailer				1		2	1	4
Satellite				2				2
Boat				2		1		3



Legend

- ★ EPA Field Locations
- Horizon Oil Platform

Total Number of Personnel

EPA - 23
Contractors - 39

Total Number of Resources

Mobile Office Trailer - 4
Satellite - 2
Boat - 3

0 12.5 25
Miles

US EPA REGION 6
(For Official Use Only)

EPA Field Assets
Deepwater Horizon Incident

Date Created: 8/24/2010	UIC: R520	SCALE: As Shown
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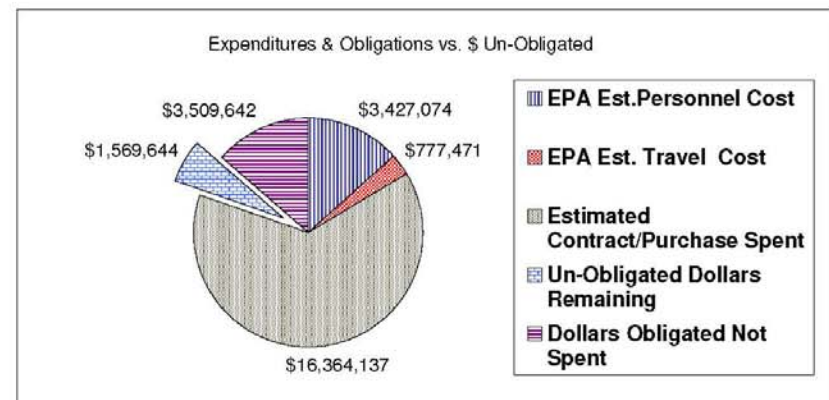
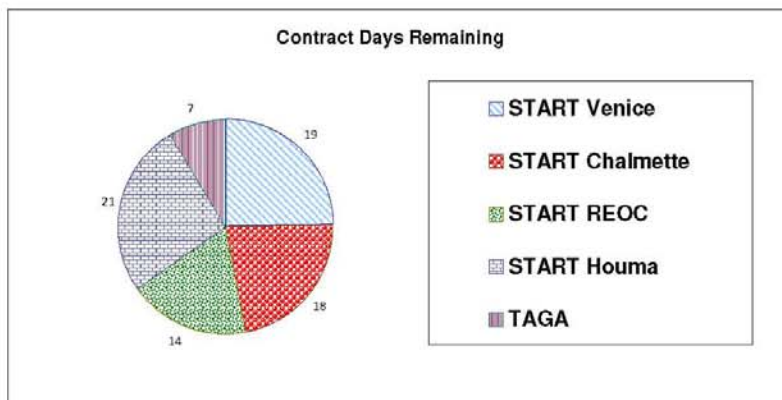
5. Daily Cost Estimates

DEEPWATER HORIZON INCIDENT (FPN N10036)

Region 6 Daily Cost Estimates Report-Situation Report

August 24, 2010

	Authorized Ceiling	EPA Est. Personnel Cost	EPA Est. Travel Cost	Estimated Contract/Purchase Spent	TOTAL Estimated Expenditures	Balance (Ceiling minus Expenditures)	TOTAL Contract/Purchase OBLIGATIONS		Est. Daily Burn Rate	Un-Obligated Dollars Remaining	Dollars Obligated Not Spent
USCG PRFA FPN N10036 \$26,072,129 Total											
\$1,000,000 4/28/10											
\$4,000,000 5/05/10											
\$178,429 5/17/10											
\$2,000,000 5/28/10											
\$3,524,700 6/5/10											
\$5,250,000 6/10/10											
\$8,191,000 6/30/10											
\$200,000 7/8/10											
\$1,728,000 7/27/10											
\$2,940,851 8/15/10	\$ 25,647,967	\$ 3,427,074	\$ 777,471	\$ 16,364,137	\$ 20,568,682	\$ 5,079,285	\$ 19,873,778		\$ 176,212	\$ 1,569,644	\$ 3,509,642
TOTAL OPA FUNDED	\$ 25,647,967	\$ 3,427,074	\$ 777,471	\$ 16,364,137	\$ 20,568,682	\$ 5,079,285	\$ 19,873,778		\$ 176,212	\$ 1,569,644	\$ 3,509,642
Region 6 Indirect Rate 13.12%	\$ 3,365,013	\$ 449,632	\$ 102,004	\$ 2,146,975	\$ 2,698,611	\$ 666,402	\$ 2,607,440		\$ 23,119	\$ 205,937	\$ 460,465
Louisiana Total	\$ 29,012,980	\$ 3,876,706	\$ 879,475	\$ 18,511,112	\$ 23,267,293	\$ 5,745,687	\$ 22,481,218		\$ 199,331	\$ 1,775,581	\$ 3,970,107



- As of 8/24, the EPA Region 6 total Pollution Removal Funding Authorization is **\$29,012,980**; however **\$3,365,013** is set aside as an Indirect Rate charge and is not available for spending. Of the **\$25,647,967** available to EPA for current spending, Region 6 has spent an estimated **\$20,568,682** (payroll, travel, and contracts). An additional **\$3,509,642** has been obligated on contracts, but not spent. As of 8/24, **\$1,569,644** remains as un-obligated funds. The current Region 6 PRFA funding was estimated through 8/31; however, spending can continue until funds are exhausted or a new PRFA is received.



View of the Special Water Operations team collecting a sediment sample from Location 0053 on 8/21.



View of 6 frac tanks at the Venice Waste Staging Area

Monitoring/Sampling Locations

